

# **METHODS AND SYSTEMS FOR INTERACTIVE INVESTIGATION OF GEOPHYSICAL DATA**

## **ABSTRACT OF THE DISCLOSURE**

Methods and systems are provided for investigating an image set of geophysical data distributed over a first  $N$ -dimensional volume where  $N \geq 2$ . A subvolume that encloses a known feature of interest within a target set of geophysical data distributed over a second  $N$ -dimensional volume is selected. A cross-correlation is calculated between the data distributed within the subvolume and corresponding data distributed in the first  $N$ -dimensional volume about multiple positions.

60031677 v1